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of

Complete if Known <del>- = C</del> Application Number 09/507,213 Filing Date February 18, 2000 First Named Inventor Tinku Acharya 2624 Art Unit Examiner Name Do, Anh Hong Technology|Center 2600 Attorney Docket Number 42390P8350

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U.S. PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	Document Number  Number - Kind Code² (if known)	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
AT)	1	US-6,047,303	04-04-2000	Acharya	708/407			
T IV	2	US-6,091,851	07-18-2000	Acharya	382/167			
	3	US-6,094,508	07-25-2000	Acharya, et al.	382/199			
	4	US-6,108,453	08-22-2000	Acharya	382/25			
_	5	US-6,124,811	09-26-2000	Acharya, et al.	34/63			
	6	US-6,130,960	10-10-2000	Acharya	382/167			
	7	US-6,151,069	11-21-2000	Dunton, et al.	348/270			
	8	US-6,151,415	11-21-2000	Acharya, et al.	382/217			
	9	US-6,154,493	11-28-2000	Acharya, et al.	375/240.19			
	10	US-6,166,664	12-26-2000	Acharya	341/63			
_	11-	US-6,178,269 B1	01-23-2001	Acharya	382/277			
_	12	US-6,195,026 B1	02-27-2001	Acharya	34/160			
	13	US-6,215,908 B1	04-10-2001	Pazmino, et al.	382/240			
	14	US-6,215,916 B1	04-10-2001	Acharya	332/298			
	15	US-6,229,578 B1	05-08-2001	Acharya, et al.	348/607			
	16	US-6,233,358 B1	05-15-2001	Acharya	382/248			
	17	US-6,236,433 B1	05-22-2001	Acharya, et al.	348/273			
	18	US-6,236,765 B1	05-22-2001	Acharya	382/276			
	19	US-6,275,206 B1	08-14-2001	Tsai, et al.	345788			
Ah	20	US-6,285,796 B1	09-04-2001	Acharya, et al.	384246			

Foreign Patent Document Pages, Columns, Lines, Cite **Publication Date** Name of Patentee or Where Relevant Passages Initials\* Country Code3 - Number4 - Kind Code5 (if known MM-DD-YYYY Applicant of Cited Document or Relevant Figures Appear

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4 Sheet of 2\_

Complete if Known Application Number 09/507,213 Filing Date February 18, 2000 First Named Inventor Tinku Acharya Art Unit 2624 Technology Center 2600 Examiner Name Do, Anh Hong Attorney Docket Number 42390P8350

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	Т	Document Number	I		1
Examiner Initials*	Cite No.1	Number - Kind Code² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
41)	21	US-6,292,114 B1	09-18-2001	Tsai, et al.	341/67
	22	US-6,301,392 B1	10-09-2001	Acharya	382/239
1	23	US-6,348,929 B1	02-19-2002	Acharya, et al.	345/660
1	24	US-6,351,555 B1	02-26-2002	Acharya, et al.	382/162
1	25	US-6,356,276 B1	03-12-2002	Acharya	345/600
1	26	US-6,366,692 B1	04-02-2002	Acharya	382/162
_	27	US-6,366,694 B1	04-02-2002	Acharya	382/67/
_	28	US-6,373,481 B1	04-16-2002	Tan, et al.	345/342
	29	US-6,377,280 B1	04-23-2002	Acharya, et al.	345/667
ZA)	30	US-6,381,357 B1	04-30-2002	Tan, et al.	382/14/
	31	US-6,392,699 B1	05-21-2002	Acharya	248/273
	-	US-			7 50/2/
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		US-			

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date MM-DD-YYYY		Pages, Columns, Lines,	Te.		
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)		Name of Patentee or Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear			
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Do, Anh Hong

3 Sheet of 4 **Attorney Docket Number** 42390P8350 Technology Center 2600

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OTHER ART - NON PATENT LITERATURE DOCUMENTS							
Examiner Initials*	Cite No.¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
AD	32	ACHARYA, "A MEMORY BASED VLSI ARCHITECTURE FOR IMAGE COMPRESSION", Application No: 08/885,415, Filed: 6/30/97, Atty docket no. 042390.P4425, 37 Pgs.					
1	33	BAWOLEK, ET AL., "INFRARED CORRECTION SYSTEM", Application No; 09/126, 203, Filed: 7/30/98, Atty docket no. 042390.P6172, 23 Pgs.					
	34	PAZMINO, ET AL., "METHOD OF COMPRESSING AND/OR DECOMPRESSING A DATA SET USING SIGNIFICANCE MAPPING", Application No: 09/151,336, Filed: 9/11/98, Atty docket no. 042390.P6391, 26 Pgs.					
	35	TAN, ET AL., "ROBUST SEQUENTIAL APPROACH IN DETECTING DEFECTIVE PIXELS WITHIN AN IMAGE SENSOR", Application No: 09/191,310, Filed: 11/13/98, Atty docket no. 042390.P6575, 35 Pgs.					
	36	ACHARYA, ET AL., "COLOR INTERPOLATION FOR A FOUR COLOR MOSAIC PATTERN", Application No: 09/199,836, Filed: 11/24/98, Atty docket no. 042390.P6376, 26 Pgs.					
	37	ACHARYA, "A MATHEMATICAL MODEL FOR GRAY SCALE AND CONTRAST ENHANCEMENT OF A DIGITAL IMAGE", Application No: 09/207,753, Filed: 12/8/98, Atty docket no. 042390.P6217, 28 Pgs.					
	38	ACHARYA, "ENHANCING IMAGE COMPRESSION PERFORMANCE BY MORPHOLOGICAL PROCESSING", Application No: 09/291,810, Filed: 4/14/99, Atty docket no. 042390.P6878, 31 Pgs.					
	39	TAN, ET AL., "USING AN ELECTRONIC CAMERA TO BUILD A FILE CONTAINING TEXT", Application no: 09/301,753, Filed: 4/29/99, Atty docket no. 042390.P5742, 21 Pgs.					
	40	TSAI, ET AL., "METHOD AND APPARATUS FOR ADAPTIVELY SHARPENING AN IMAGE", Application No: 09/320,192, Filed: 5/26/99, Atty docket no. 042390.P6452, 27 Pgs.					
	41	TAN, ET AL., "METHOD AND APPARATUS FOR ADAPIVELY SHARPENING LOCAL IMAGE CONTENT OF AN IMAGE", Application No; 09/328,935, Filed: 6/9/99, Atty docket no. 042390.P7125, 29 Pgs.					
	42	TAN, ET AL., "A METHODOLOGY FOR COLOR CORRECTION WITH REGULATION", Application No: 09/359,831, Filed: 7/23/99, Atty docket no. 042390.P7320, 30 Pgs.					
	43	ACHARYA, ET AL., "IMAGE PROCESSING METHOD AND APPARATUS", Application No: 09/359,523, Filed: 7/23/99, Atty docket no. 042390.P7323, 16 Pgs.	-				
/	44	ACHARYA, ET AL. "ZEROTREE ENCODING OF WAVELET DATA", Application No: 09/390,255, Filed: 9/3/99, Atty docket no. 042390.P7057, 22 Pgs.					
AN	45	ACHARYA, ET AL., "A FUZZY BASED THRESHOLDING TECHNIQUE FOR IMAGE SEGMENTATION", Application No; 09/393,136, Filed: 9/10/99, Atty docket no. 042390.P7114, 28 Pgs.					

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Application Number 09/507,213

Filing Date February 18, 2000 MAR 1 2 2003

First Named Inventor Tinku Acharya Technology

Art Unit 2624 Technology

Sheet 4 of 4 Attorney Docket Number 42390P8350

Examiner Initials*	Cite No.'	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
AT)	46	ACHARYA, ET AL., "A FUZZY DIDTINCTION BASED THRESHOLDING TECHNIQUE FOR IMAGE SEGMENTATION", Application No: 09/393,017, Filed: 9/10/99, Atty docket no. 042390.P7115, 29 Pgs.			
1	47	ACHARYA, "VIDEO MOTION ESTIMATION", Application No. 09/406,032, Filed: 9/27/99, Atty docket no. 042390.P7330, 24 Pgs.			
	48	ACHARYA, ET AL., "METHOD OF INTERPOLATING COLOR PIXEL SIGNALS FROM A SUBSAMPLED COLOR IMAGE", Application No: 09/410,800, Filed: 10/1/99, Atty docket no. 042390.P7331, 20 Pgs.			
	49	ACHARYA, ET AL., "METHOD OF COMPRESSING A COLOR IMAGE", Application No: 09/411, 697, Filed: 10/1/99, Atty docket no. 042390.P7463, 26 Pgs.			
	50	ACHARYA, ET AL., "SQUARE ROOT RAISED COSINE SYMMETRIC FILTER FOR MOBILE TELECOMMUNICATIONS", Application No: 09/429,058, Filed: 10/29/99, Atty docket no. 042390.P7629, 36 Pgs.			
	51	ACHARYA, ET AL., "INDEXING WAVELET COMPRESSED VIDEO FOR EFFICIENT DATA HANDLING", Application No: 09/438,091, Filed: 11/10/99, Atty docket no. 042390.P6454, 29 Pgs.	_		
	52	ACHARYA, "METHOD OF UPSCALING A COLOR IMAGE", Application No: 09/461,080, Filed: 12/14/99, Atty docket no. 042390.P7489, 26 Pgs.			
	53	ACHARYA, "METHOD OF CONVERTING A SUB-SAMPLED COLOR IMAGE" Application No: 09/461,068, Filed: 12/14/99, Atty docket no. 042390.P7490, 22 Pgs.	_		
	54	ACHARYA, ET AL., "CHIP RATE SELECTABLE SQUARE ROOT RAISED COSINE FILTER FOR MOBILE TELECOMMUNICATIONS", Application No: 09/467,487, Filed: 12/20/99, Atty docket no. 042390.P8026, 45 Pgs.			
	55	MIAO, ET AL., "DUAL MODE FILTER FOR MOBILE TELECOMMUNICATIONS", Application No: 09/467,611, Filed: 12/20/99, Atty docket no. 042390.P8027, 48 Pgs.			
	56	METZ, ET AL., "IMAGE PROCESSING ARCHITECTURE", Application No: 09/473,643, Filed: 12/28/99, Atty docket no. 042390.P8050, 16 Pgs.	_		
An)	57	ACHARYA, ET AL., "METHOD OF QUANTIZING SIGNAL SAMPLES OF AN IMAGE DURING IMAGE COMPRESSION", Application No: 09/507,399, Filed: 2/18/00, Atty docket no. 042390.P7135, 24 Pgs.	_		

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